

## ION CHANNEL ASSAY METHODS

### Abstract of the Disclosure

A method of characterizing the biological activity of a candidate compound may include exposing cells to the candidate compound, and then exposing the cells to a  
5 repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

10

S:\DOCS\TRA\TRA-4399.DOC  
111500